BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 20000000.00

Name of Work: Detailed Estimate for the work of Improvements to roads at Maruthinagara 1st main and cross roads in kempegowda ward no -01 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 Page No.143 Item No.19.14	cum							
	for CC road								
	venkatappa layout main road		1	255.00	4.50	0.20	229.50		
	NDRF road		1	250.00	3.70	0.20	185.00		
	venkatappa layout 1st cross road		1	18.00	3.50	0.20	12.60		
	venkatappa layout2nd cross road		1	18.00	3.50	0.20	12.60		
	venkatappa layout3rd cross road		1	18.00	3.50	0.20	12.60		
	for road								
	bad reaches maruthinagara 1st main road		1	3.50	2.50	0.30	2.63		
			1	2.00	2.50	0.30	1.50		
			1	3.20	1.50	0.30	1.44		
			4	3.80	1.50	0.30	6.84		
			1	5.20	3.60	0.30	5.62		
			1	3.80	2.90	0.30	3.31		
			1	15.00	1.20	0.30	5.40		
			1	3.60	2.20	0.30	2.38		
			1	15.00	1.80	0.30	8.10		
			1	8.00	3.50	0.30	8.40		
			1	9.00	3.20	0.30	8.64		
			1	16.00	1.50	0.30	7.20		
	bhuvana college road		1	12.00	1.50	0.30	5.40		
			1	16.00	3.90	0.30	18.72		
			1	4.00	4.00	0.30	4.80		
			1	9.90	1.20	0.30	3.56		
	MB bakery road		1	15.00	1.80	0.30	8.10		
			1	8.00	3.50	0.30	8.40		
			1	10.00	3.20	0.30	9.60		
			1	10.00	3.80	0.30	11.40		
			1	12.00	4.20	0.30	15.12		
			1	8.00	1.50	0.30	3.60		
	24th cross road		1	8.00	3.50	0.30	8.40		
			1	9.00	3.80	0.30	10.26		
							621.11	**125.59**	**78005.20**
	Basic Rate	41.00							
	Area Weightage 6%	2.46							
	Grand Total	43.46							
	Loading and unloading + Basic Rate for Haulage upto 8.00 k.m =(1.28 X 2.50 X 8)+ 57	77.48							
	Area Weightage 6%	4.65							
		125.59							

AARYN ASSOCIATES BANGALORE

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	7139.00							
	Area Weightage 6%	428.34							
	Grand Total	7567.34							
24	**KSRRB M800-13. Road Marking with Hot Applied 'Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:-** Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications MORTH Specification No. 803 Page No.182. Item No.24.15	Sqm							
	Bhuvana collage road		1	96.00	0.10		9.60		
			2	145.00	0.15		43.50		
	maruthinagara 1st main road		1	777.00	0.10		77.70		
			2	1165.00	0.15		349.50		
	MB bekary road		2	255.00	0.15		76.50		
	24th cross road		1	60.00	0.10		6.00		
			2	90.00	0.15		27.00		
	venkatappa layout main road		2	255.00	0.15		76.50		
	NDRF road		2	250.00	0.15		75.00		
							741.30	**454.74**	**337098.76**
	Basic Rate	429.00							
	Area Weightage 6%	25.74							
	Grand Total	454.74							
25	for Rain water harvesting work including 40mm jelly, 20mm jelly coarse sand, fine sand, 12.50 mm chips as per data rates	Nos	6				6	20882.00	125292.00
							Total construction cost		**16663261.67**
							GST 12%		**1999591.40**
							DPR & PMC 2%		**333265.23**
							Tender Premium 6%		**999795.70**
26	Miscellaneous charges								**4086.00**
								Total	**20000000.00**

(Rupees Two Crore Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

AARTH ASSOCIATES BANGALORE

Name of Work: Detailed Estimate for the work of [illegible] and cross roads in kempegowda ward no 49 of yelahanka sub division

Sl No	Description of item	Unit	No	L	B	D	Quantity	Rate	Amount
1	**KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means** including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 Page No.143. Item No.19.14	cum							
	for road								
	Raghavendra swamy temple road		1	241.00	6.00	0.30	433.80		
	Dr yogesh house road		1	95.00	6.00	0.30	171.00		
							604.80	125.59	75956.83
	Basic Rate	41.00							
	Area Weightage 6%	2.46							
	Grand Total	43.46							
	Loading and unloading + Basic Rate for Haulage upto 8.00 k.m =(1.28 X 2.50 X 8)+ 57	77.48							
	Area Weightage 6%	4.65							
		125.59							
2	KSRB 2-2.1 : **Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical** conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1 (a) I 2.3.5 page no 6	cum							
	for RCC drain Maruthinagara								
	11th cross road		2	64.00	1.00	1.00	128.00		
	3rd cross		2	64.00	1.00	1.00	128.00		
	4th cross		2	64.00	1.00	1.00	128.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
					Total construction cost				16798961.476
					GST 12%				2015875.38
					DPR & PMC 2%				335979.23
					Tender Premium 5%				839948.07
									9235.84
21	Miscellaneous charges							Total	20000000.00

(Rupees Two Crore Only)

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Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

AARIN ASSOCIATES BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 20000000.00

Name of Work: Detailed Estimate for the work of Improvements to roads at Maruthinagara 3rd main and cross roads in kempegowda ward no -01 of yelahanka sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	**KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means** including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 Page No.143. Item No.19.14	cum							
	for CC road								
	Meese manjunath house road		1	37.00	3.00	0.20	22.20		
	2nd main 7th cross road		1	130.00	4.00	0.20	104.00		
	for Asphalt road								
	Alfa school road		1	395.00	6.00	0.30	711.00		
							837.20	**125.59**	**105143.95**
	Basic Rate	41.00							
	Area Weightage 6%	2.46							
	Grand Total	43.46							
	Loading and unloading + Basic Rate for Haulage upto 8.00 k.m =(1.28 X 2.50 X 8)+ 57	77.48							
	Area Weightage 6%	4.65							
		125.59							
2	KSRB 2-2.1 : **Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical** conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1 (a) I 2.3.5 page no 6	cum							
	for RC drain								
	Maruthinagar 7th cross road from 2nd main road to 3rd main road		1	130.00	0.70	0.50	45.50		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
23	for Rain water harvesting work including 40mm jelly, 20mm jelly coarse sand, fine sand, 12.50 mm chips as per data rates	Nos	1				1	20882.00	20882.00
					Total construction cost				16665023.52
					GST 12%				1999802.82
					DPR & PMC 2%				333300.47
					Tender Premium 6%				999901.41
									1971.78
25	Miscellaneous charges							Total	20000000.00
	(Rupees Two Crore Only)								

CERTIFICATE

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2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

AARN ASSOCIATES BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 15000000.00

Name of Work: Detailed Estimate for the work of Improvements to roads and drains at Vinivink Shastry layout in kempegowda ward no-01 of yelahanka sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	**KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means** including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 Page No.143 Item No.19.14	cum							
	for CC road								
	Vinivink shastry Main road		1	135.00	7.00	0.20	189.00		
	Vinivink shastry 2nd main road up to Basavaraj house		1	240.00	7.00	0.20	336.00		
	Vinivink shastry 3rd cross road		1	108.00	7.00	0.20	151.20		
	Vinivink shastry 4th cross road		1	108.00	7.00	0.15	113.40		
							789.60	**125.59**	**99165.86**
	Basic Rate	41.00							
	Area Weightage 6%	2.46							
	Grand Total	43.46							
	Loading and unloading + Basic Rate for Haulage upto 8.00 k.m =(1.28 X 2.50 X 8)+ 57	77.48							
	Area Weightage 6%	4.65							
		125.59							
2	KSRB 2-2.1 **Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical** conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1 (a) I 2.3.5 page no 6	cum							
	for RCC drain								
	Vinivink shastry Main road		1	135.00	1.00	1.00	135.00		
	Basavaraj house Road		2	102.00	1.00	1.00	204.00		
	Vinivink shastry 3rd cross road		1	108.00	1.00	1.00	108.00		
	Vinivink shastry 4th cross road		2	108.00	1.00	1.00	216.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	135.00	0.15		40.50		
	Vinivink shastry 2nd main road up to Basavaraj house		1	166.00	0.10		16.60		
			2	240.00	0.15		72.00		
	Vinivink shastry 3rd cross road		1	72.00	0.10		7.20		
			2	108.00	0.15		32.40		
	Vinivink shastry 4th cross road		1	72.00	0.10		7.20		
			2	108.00	0.15		32.40		
							217.30	454.74	98815.00
	Basic Rate	429.00							
	Area Weightage 6%	25.74							
	Grand Total	454.74							
13	for Rain water harvesting work including 40mm jelly, 20mm jelly coarse sand, fine sand, 12.50 mm chips as per data rates	Nos	4				4	20882.00	83528.00
						Total construction cost			12497932.28
						GST 12%			1499751.87
						DPR & PMC 2%			249958.65
						Tender Premium 6%			749875.94
									2481.27
	Miscellaneous charges							Total	15000000.00
	(Rupees One Crore Fifty lakhs Only)								

CERTIFICATE

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2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

BANGALORE MARTIN ASSOCIATES

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 5000000.00

Name of Work: Detailed Estimate for the work of Drilling of borewell and providing pipe line in kempegowda ward no -01 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc (P.NO-47, I.NO-9.4, PRED 12-13 SR)	Each							
			5				5.00		
							5.00	**2065.00**	**10325.00**
2	**Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m.** fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (P.NO-47, I.NO-9.1, PRED 12-13 SR)								
	0.00 to 50.00 Mtr.	**Mtr**	5	50.00			**250.00**	**315.80**	**78950.00**
	50.00 to 100.00 Mtr.	**Mtr**	5	50.00			**250.00**	**412.60**	**103150.00**
	100.00 to 150.00 Mtr.	**Mtr**	5	50.00			**250.00**	**458.35**	**114587.50**
	150.00 to 200.00 Mtr.	**Mtr**	5	50.00			**250.00**	**484.10**	**121025.00**
	200.00 to 250.00 Mtr.	**Mtr**	5	50.00			**250.00**	**560.32**	**140080.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
35	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	cum							
	For water Supply		1	840.00	0.60	0.15	75.60		
							75.60	**2001.28**	**151296.77**
36	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2018-19	Cum							
	Consider 85%of Qty vide No.33						459.00		
							459.00	**213.06**	**97794.54**
					Total construction cost				**3916238.00**
					GST 12%				**469948.56**
					DPR & PMC 2%				**78324.76**
					Tender premium 6%				**234974.28**
37	Miscellaneous charges and Electric deposite charges etc								**300514.00**
								Total	**5000000.00**

(Rupees Fifty lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 Certified that the estimate is prepared on the basis of CSR of PW,P & IWTD, Bangalore Circle, Bangalore for the
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 20000000.00

Name of Work: Detailed Estimate for the work of Improvements to balance road and drian at KHB colony and surrounding areas in kempegowda ward no -01 of yelahanka Sub division.

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M500-2. Cleaning the exisitng black topped surface with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatmenst including cost of all materials, labour, HOM of machinereis complete as per specifications MORTH specfications clause 501 Page No 158	Sqm							
	for road AB Shivakumar								
	1st cross road		1	50.00	8.00		400.00		
	2nd cross road		1	32.00	7.00		224.00		
	3rd cross road		1	35.00	7.40		259.00		
	prakash theater road		1	240.00	10.00		2400.00		
	KTM show room road		1	167.00	10.00		1670.00		
	Nehru Nagar		1	140.00	6.50		910.00		
							5863.00	5.30	31073.90
	Basic Rate	5.00							
	Area Weightage 6%	0.30							
	Grand Total	5.30							
2	KSRB 2-2.1 Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1 (a) I 2.3.5 page no 6	cum							
	for RCC drain								
	Ab shivakumar house road to NH - 7		1	220.00	1.00	1.00	220.00		
	1st cross road		2	50.00	1.00	1.00	100.00		
	2nd cross road		2	32.00	1.00	1.00	64.00		
	3rd cross road		2	35.00	1.00	1.00	70.00		
	prakash theater road		2	240.00	1.00	1.00	480.00		
	KTM show room road		2	167.00	1.00	1.00	334.00		
	Maruthi Nagar 24th to 26th Cross		1	125.00	1.00	1.00	125.00		
	for culverts								
	Ab shivakumar house road to NH - 7		1	7.50	1.65	1.20	14.85		
	1st cross road		1	8.00	1.65	1.20	15.84		

AARTN ASSOCIATES BANGALORE DATE

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Grand Total	7567.34							
18	**KSRRB M800-13. Road Marking with Hot Applied 'Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:-** Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page No.182. Item No.24.15	Sqm							
	1st cross road		1	28.00	0.10		2.80		
			2	50.00	0.15		15.00		
	2nd cross road		1	22.00	0.10		2.20		
			2	32.00	0.15		9.60		
	3rd cross road		1	23.00	0.10		2.30		
			2	35.00	0.15		10.50		
	prakash theater road		1	160.00	0.10		16.00		
			2	240.00	0.15		72.00		
	KTM show room road		1	98.00	0.10		9.80		
			2	167.00	0.15		50.10		
							190.30	**454.74**	**86537.02**
	Basic Rate	429.00							
	Area Weightage 6%	25.74							
	Grand Total	454.74							
20	for Rain water harvesting work including 40mm jelly, 20mm jelly coarse sand, fine sand, 12.50 mm chips as per data rates	Nos	2				2	20882.00	41764.00
							Total construction cost		**16658471.56**
							GST 12%		**1999016.59**
							DPR & PMC 2%		**333169.43**
							Tender Premium 6%		**999508.29**
21	Miscellaneous charges								**9834.13**
								Total	**20000000.00**

(Rupees Two Crore Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2018-19
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

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AARTN ASSOCIATES BANGALORE